

WHAT IS CLAIMED IS:

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1. A call-admission controller which allocates, out of shared resources in a communications system, resources required for communication in a plurality of calls of different priorities, comprising:

10 an impact-judging unit configured to make a judgment of, when having detected a low-priority call, an impact of said low priority call on the communications system; and

15 a low-priority call admission-determining unit configured to make, based on said impact of which said judgment is made, a determination of whether to admit said low-priority call.

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2. The call-admission controller as claimed in claim 1,

25 wherein said low-priority call admission-determining unit further comprises:

a call-admission threshold-value varying unit configured to cause a change in a call-admission threshold-value for the low-priority call depending on the degree of said impact.

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3. The call-admission controller as claimed
in claim 2,

wherein said call-admission threshold-value
varying unit

5 sets, based on said impact, an indicator
indicating the ease of allocation of the low-priority
call, so as to cause, using the set indicator, a
change in said call-admission threshold-value for the
low-priority call.

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4. The call-admission controller as claimed
15 in claim 3,

further comprising:

a defining unit configured to define said
indicator as a function determining the ease of the
allocation of the low-priority call;

20 wherein said function sets the call-admission
threshold-value for the low-priority call to be
equivalent to the call-admission threshold-value for a
high-priority call when said impact does not exceed a
threshold value defined in advance, and sets the call-
25 admission threshold-value for the low-priority call to
be lower than the call-admission threshold-value for
the high-priority call when said impact exceeds said
threshold value defined in advance.

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5. The call-admission controller as claimed

in claim 1,

 wherein said impact-judging unit
 judges, from one or a plurality of the
following factors, the number of circuits required for
5 the low-priority call to perform the communication, the
time up to completing the communication, the
transmission data amount, the power required by
communication equipment for performing the communication,
the interference amount caused on other ongoing calls,
10 the location of occurrence of said call, the
travelling speed of a terminal causing said call, and
the type of the terminal causing said call,
 said impact of said low-priority call on the
communications system.

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20 6. The call-admission controller as claimed
in claim 1,

 wherein the judgment by the impact-judging
unit of the impact of the low-priority call on the
communications system, and

25 the determination by the low-priority call
admission-determining unit of whether to admit said
low-priority call are performed when there are not
many idle shared resources.

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7. The call-admission controller as claimed

in claim 4, further comprising:

5 a measuring unit configured to measure, when having detected a call requesting a connection, a change in the usage condition of communication equipment; and

a changing unit which changes said function depending on the amount of said change in the usage condition.

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8. A method of call-admission control which allocates out of shared resources in a communications system resources required for communication in a plurality of calls of different priorities, comprising the steps of:

15 judging, when having detected a low-priority call, an impact of said low-priority call on the communications system;

20 determining, when judged that said impact is large, a low-priority call-admission threshold value so that the ease of allocation of said low-priority call is set to be lower than the ease of the allocation of a high-priority call; and

25 determining, according to said determined call-admission threshold value, whether to admit said low-priority call.

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